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L40: Entry 2 of 3

File: DWPI

Oct 23, 2002

DERWENT-ACC-NO: 2003-053171

DERWENT-WEEK: 200305

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TITLE: Composition, useful e.g. as external preparation for treating atopic dermatitis, comprises sodium, potassium, calcium, magnesium, chlorine and bicarbonate ions as solute, and saccharide at preset amounts

PATENT-ASSIGNEE:

ASSIGNEE

CODE

GEO KK

GEOGN

PRIORITY-DATA: 2001JP-0115675 (April 13, 2001)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> JP 2002308783 A	October 23, 2002		005	A61K033/14

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP2002308783A	April 13, 2001	2001JP-0115675	

INT-CL (IPC): A61K 31/7004; A61K 31/7016; A61K 31/702; A61K 33/06; A61K 33/10; A61K 33/14 ; A61P 1/02; A61P 1/14; A61P 11/02; A61P 11/04; A61P 17/00; A61P 17/02; A61P 17/04; A61P 27/14; A61P 31/04

ABSTRACTED-PUB-NO: JP2002308783A

BASIC-ABSTRACT:

NOVELTY - A pharmaceutical composition comprises solute having sodium, potassium, calcium, magnesium, chlorine and bicarbonate ions at total concentration of 0.54 mol/l or less, and saccharide at a concentration of 0.07-0.25 mol/l.

ACTIVITY - Dermatological; antiinflammatory; antiallergic; antibacterial; vulnerary.

An aqueous solution (1 kg) was prepared by compounding (in g/l) sodium chloride (5.61), potassium chloride (0.30), calcium lactate (0.77), magnesium sulfate (0.18), sodium hydrogen carbonate (2.27), glucose (10), sucrose (5), maltose (2.5) and sodium glutamate (2.88). The aqueous solution contained sodium ion:potassium ion:calcium ion:magnesium ion at a ratio of (mol/l) 0.14:0.004:0.0025:0.0015; and chlorine ion:bicarbonate ion at a ratio of 0.1:0.027. The solution contained saccharide at a concentration of 0.1548 mol/l. The total concentration of solute in

the aqueous solution was 0.3028 mol/l. The aqueous solution was sprayed on 10 year old patient with atopic dermatitis, inflammation and itching in the night. The next morning the patient was free from itching.

MECHANISM OF ACTION - None given.

USE - As skin external preparation for preventing and treating endermosis, dry skin, atopic dermatitis, allergic rhinitis, allergic conjunctivitis, senile scabies and decubitus ulcer; as agent for intestinal regulations, healing pharyngitis or stomatitis; as medical bath preparation having bacteriostatic effect; as external preparation for suppressing Trichophyton and protecting wound from infections; and as aqueous solution (claimed).

ADVANTAGE - The composition is safe for use and it demonstrates excellent endermosis prevention.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: COMPOSITION USEFUL EXTERNAL PREPARATION TREAT ATOPIC DERMATITIS
COMPRISE SODIUM POTASSIUM CALCIUM MAGNESIUM CHLORINE ION SOLUTE SACCHARIDE PRESET
AMOUNT

DERWENT-CLASS: B05 D21 D22

CPI-CODES: B04-B03C; B04-C02; B07-A02; B10-A07; B14-N17; D08-B09A;

CHEMICAL-CODES:

Chemical Indexing M1 *01*
Fragmentation Code
M417 M423 M431 M782 M905 P943 Q262
Specfic Compounds
A0121K A0121M

Chemical Indexing M2 *02*
Fragmentation Code
F012 F013 F014 F015 F016 F019 F123 F199 H4 H405
H424 H482 H5 H521 H8 K0 L8 L814 L819 L822
L831 M1 M126 M141 M280 M311 M322 M342 M373 M392
M413 M431 M510 M522 M530 M540 M782 M800 M904 M905
P943 Q262
Specfic Compounds
06064K 06064M

Chemical Indexing M2 *03*
Fragmentation Code
F012 F013 F014 F015 F016 F017 F019 F113 F123 H4
H405 H424 H483 H5 H521 H8 K0 L8 L814 L818
L822 L831 M1 M126 M141 M280 M311 M323 M342 M373
M393 M413 M431 M510 M522 M530 M540 M782 M904 M905
M910 P943 Q262
Specfic Compounds
00135K 00135M
Registry Numbers
0135U

Chemical Indexing M2 *04*
Fragmentation Code
F012 F013 F014 F015 F016 F123 H4 H405 H423 H484